PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of Transmittal of International Search Report				
DTP.P51075PC	ACTION (Form PCT/ISA/220) as well as, where applicable, item 5 below.				
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)			
PCT/GB 00/00731	01/03/2000	02/03/1999			
Applicant					
LIEATHEREORD /LAMP INC of	23				
WEATHERFORD/LAMB, INC. et	al.				
This leternational Search Report has been	prepared by this International Searching Auth	posible pool in temporaries of A. H.			
according to Article 18. A copy is being tra	nsmitted to the International Bureau.	ionly and is transmitted to the applicant			
This least state of Court Board associate	2				
This International Search Report consists It is also accompanied by	of a total of5 sheets. a copy of each prior art document cited in this	report.			
Basis of the report With regard to the language, the i	nternational search was carried out on the bas	is of the international analysis in the			
language in which it was filed, unle	ess otherwise indicated under this item.	is of the international application in the			
the international search was Authority (Rule 23.1(b)).	as carried out on the basis of a translation of the	ne international application furnished to this			
b. With regard to any nucleotide and was carried out on the basis of the	dor amino acid sequence disclosed in the in	ternational application, the international search			
l —	nal application in written form.				
filed together with the inter	national application in computer readable form	1.			
furnished subsequently to	this Authority in written form.				
	this Authority in computer readble form.				
the statement that the sub- international application as	sequently furnished written sequence listing do filed has been furnished.	pes not go beyond the disclosure in the			
the statement that the infor furnished	mation recorded in computer readable form is	identical to the written sequence listing has been			
2. Certain claims were foun	d unsearchable (See Box I).				
3. Unity of Invention is lack	ring (see Box II).				
 With regard to the title, the text is approved as sub 	mitted by the configurat				
	ed by this Authority to read as follows:				
The reaction been establish	ed by the Additionty to read as follows.				
5. With regard to the abstract,	= iMad by the anatherm	·			
the text is approved as sub the text has been establish	mitted by the applicant. ed, according to Rule 38.2(b), by this Authority date of mailing of this international search repo	y as it appears in Box III. The applicant may,			
6. The figure of the drawings to be publis		2			
X as suggested by the applica	•	None of the figures.			
because the applicant failed					
because this figure better c					

International application No.



INTERNATIONAL SEARCH REPORT

PCT/GB 00/00731

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

A system for providing a barrier between two different fluid densities in a riser while drilling in deep water. An internal housing (20) and a rotating control head (28) are positioned in a first housing (R) when a blowout preventer (GM) is in the sealed position. When the blowout preventer is in the sealed position about the internal housing, a pipe (P) can be rotated for drilling with the pressure of the fluid in the open borehole at one density (M) and the fluid above the seal at another density (SW). When the blowout preventer seal is in the open position, the threadedly connected bearing assembly and internal housing can be removed relatively quickly from the riser (R). Advantageously, a method for use of the system is also disclosed.

INTERNATIONAL SEARCH REPORT

International Application No

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C. DOCUM	ENTS CONSIDERED TO BE RELEVANT		
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Furth	her documents are listed in the continuation of box C.	X Patent family members are list	ted in annex.
° Special ca	legories of cited documents :	"T" later document published after the	international filing date
	ent defining the general state of the art which is not	or priority date and not in conflict v cited to understand the principle of	vith the application but
	lered to be of particular relevance document but published on or after the international	invention "X" document of particular relevance; the	ne claimed invention
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which.	is cited to establish the publication date of another n or other special reason (as specified)	"Y" document of particular relevance; the	ne claimed invention
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other n	ent published prior to the international filling date but	in the art.	
	nan the priority date daimed	"&" document member of the same pate	
Date of the	actual completion of the international search	Date of malling of the international	search report
1	6 June 2000	27/06/2000	
Name and n	nailing address of the ISA	Authorized officer	
	European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk		• 8
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Rampelmann, K	•

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